

FIG. 1A

10 30 50
 TTCGGGCACGAGGGCAGGATGGCGCCACCACCAGCTAGAGTACATCTAGGTGCGTTCCCTG
 M A P P P A R V H L G A F L
 70 90 110
 GCAGTGACTCCGAATCCCGGGAGCGCAGCGAGTGGGACAGAGGCAGCCGCGGCCACACCC
 A V T P N P G S A A S G T E A A A A T P
 130 150 170
 AGCAAAGTGTGGGGCTCTTCCGCGGGGAGGATTGAACCACGAGGCGGGGGCCGAGGAGCG
 S K V W G S S A G R I E P R G G G R G A
 190 210 230
 CTCCCTACCTCCATGGGACAGCACGGACCCAGTGCCCGGGCCCGGGCAGGGCGCGCCCCA
 L P T S M G Q H G P S A R A R A G R A P
 250 270 290
 GGACCCAGGCCGCGCGGGAAGCCAGCCCTCGGCTCCGGGTCCACAAGACCTTCAAGTTT
 G P R P A R E A S P R L R V H K T F K F
 310 330 350
 GTCGTCGTCGGGGTCCCTGCTGCAGGTGCTACCTAGCTCAGCTGCAACCATCAAACCTTCAT
 V V V G V L L Q V V P S S A A T I K L H
 370 390 410
 GATCAATCAATTGGCACACAGCAATGGGAACATAGCCCTTTGGGAGAGTTGTGTCCACCA
 D Q S I G T Q Q W E H S P L G E L C P P
 430 450 470
 GGATCTCATAGATCAGAACGTCCTGGAGCCTGTAACCGGTGCACAGAGGGTGTGGGTAC
 G S H R S E R P G A C N R C T E G V G Y
 490 510 530
 ACCAATGCTTCCAACAATTTGTTTGGCTTGCCTCCCATGTACAGCTTGTAAATCAGATGAA
 T N A S N N L F A C L P C T A C K S D E
 550 570 590
 GAAGAGAGAAGTCCCTGCACCACGAGCAGGAACACAGCATGTCAAGTGCACAAACCAGGAACT
 E E R S P C T T T R N T A C Q C K P G T
 610 630 650
 TTCCGGAATGACAATTTGCTGAGATGTGCCGGAAGTGCAGCACAGGGTGCCCCAGAGGG
 F R N D N S A E M C R K C S T G C P R G
 670 690 710
 ATGGTCAAGGTCAAGGATTGTACGCCCTGGAGTGACATCGAGTGTGTCCACAAAGAATCA
 M V K V K D C T P W S D I E C V H K E S
 730 750 770
 GGCAATGGACATAATATATGGGTGATTTTGGTTGTGACTTTGGTTGTTCCGTTGCTGTTG
 G N G H N I W V I L V V T L V V P L L L

 790 810 830
 GTGGCTGTGCTGATTGTCTGTTCTTGCATCGGCTCAGGTGTGGAGGGGACCCCAAGTGC
 V A V L I V C C C I G S G C G G D P K C

 850 870 890
 ATGGACAGGGTGTGTTTCTGGCGCTTGGGTCTCTACGAGGGCCTGGGGCTGAGGACAAT
 M D R V C F W R L G L L R G P G A E D N
 910 930 950
 GCTCACAACGAGATTCTGAGCAACGCAGACTCGCTGTCCACTTTCGTCTCTGAGCAGCAA
 A H N E I L S N A D S L S T F V S E Q Q
 970 990 1010
 ATGGAAAGCCAGGACCCGGCAGATTTCACAGGTGTCACTGTACAGTCCCCAGGGGAGGCA
 M E S Q E P A D L T G V T V Q S P G E A

FIG. 1B

1030 1050 1070
CAGTGTCTGCTGGGACCGGCAGAAGCTGAAGGGTCTCAGAGGAGGAGGCTGCTGGTTCCA
Q C L L G P A E A E G S Q R R R L L V P
1090 1110 1130
GCAAATGGTGTGCTGACCCCACTGAGACTCTGATGCTGTTCTTTGACAAGTTTGCAAACATC
A N G A D P T E T L M L F F D K F A N I
1150 1170 1190
GTGCCCTTTGACTCCTGGGACCAGCTCATGAGGCAGCTGGACCTCAGGAAAAATGAGATC
V P F D S W D Q L M R Q L D L T K N E I
1210 1230 1250
GATGTGGTCAGAGCTGGTACAGCAGGCCAGGGGATGCCTTGTATGCAATGCTGATGAAA
D V V R A G T A G P G D A L Y A M L M K
1270 1290 1310
TGGGTCAACAAAACCTGGACGGAACGCCTCGATCCACACCCTGCTGGATGCCTTGGAGAGG
W V N K T G R N A S I H T L L D A L E R
1330 1350 1370
ATGGAAGAGAGACATGCAAAAGAGAAGATTCAGGACCTCTTGGTGGACTCTGGAAAGTTC
M E E R H A K E K I Q D L L V D S G K F
1390 1410 1430
ATCTACTTAGAAGATGGCACAGGCTCTGCCGTGTCCTTGGAGTGAAAGACTCTTTTTTACC
I Y L E D G T F S A V S L E
1450 1470 1490
AGAGGTTTCCTCTTAGGTGTTAGGAGTTAATACATATTAGGTTTTTTTTTTTTTAACAT
1510 1530 1550
GTATACAAAGTAAATTCTTAGCCACGTGTATTGGCTCCTGCCTGTAATCCCATCACTTTG
1570 1590 1610
GGAGGCTGACGCCGGTGGATCCACTTGAGGTCCGAAGTTCCAAGACCAGCCCTGAACCAA
1630 1650 1670
CATCGTGGAAATGCCCGTCTTTTACAAAAAATACCAAAAATTCAACTGGAATGTGCATG
1690 1710 1730
GTGTGTGCCATCATTTCTCGGCTAACTACGGGAGGTCTGAGGCCAGGAGAATCCACTTG
1750 1770 1790
AACCCACGAAGGACAGTGTAGACTGCAGATTGCACCACTGCACTCCCAGCCTGGGAACA
1810 1830 1850
CAGAGCAAGACTCTGTCTCAAGATAAAATAAAATAAACTTGAAAGAATTATTGCCCGACT
1870 1890 1910
GAGGCTCACATGCCAAAGGAAAATCTGGTTCTCCCCTGAGCTGGCCTCCGTGTGTTTCCT
1930 1950 1970
TATCATGGTGGTCAATTGGAGGTGTTAATTTGAATGGATTAAGGAACACCTAGAACACTG
1990 2010 2030
GTAAGGCATTATTTCTGGGACATTATTTCTGGGCATGTCTTCGAGGGTGTTCAGAGGG
2050 2070 2090
GATTGGCATGCCGATCGGGTGGACTGAGTGGAAGACCTACCCTTAATTTGGGGGGGCAC
2110 2130 2150
CGTCCGACAGACTGGGGAGCAAGATAGAAGAAAACAAAAA

FIG. 2A

1 M - - - - - LG - - - - - I WT - h Fas protein
1 MGLSTVPDL LLPLV LLELLVGIYPSGVIGLVPH - - - - - h TNFR I Protein
1 MEQRPRGCAAVAAALLLVLLGARAQG - - - - - DR3 protein
1 MAPPPARVHLGAF LAVT PNP GSAAASGTEAAAATPSKV WGS DR4 protein

7 - - - - - LLPLVLT - - - - - SV - - - - - ARL - SSKSVN h Fas protein
34 - LGDREKRDSVCPQGKYIHPQNNNSICCTKCHKGT VLYNDC h TNFR I Protein
27 - - GTRSPR - CDCA - GDF - HKKI GLFCCRGC PAGHYLKAPC DR3 protein
41 SAGRIEPRGGGRGALPTSMGOHGPS - - - - - ARARAGRAPG DR4 protein

25 AQVTDINSKGLEELRKTVTTVETONLEG - - - - - LHH h Fas protein
73 PGPGQDTCRECESGSFTASENHLR - HCLSCSKCRKEMGQ h TNFR I Protein
62 TEP CGNSTCLVCPQDTFLAWENHNSECARCQACDEQASO DR3 protein
76 PRPARAEASPRRLRVHKTFFKVVVGVLLQVVPSSAATIKLHD DR4 protein

55 DG - - - - - OFCHKP - - - - - CPPGERKARDCTVNGDEPD CVPCQ h Fas protein
112 VEISS - - - - - CTVDRDTVCGC - - - - - RKNQYRHYW h TNFR I Protein
102 VALEN - - - - - CSAVADTRCGC - - - - - KPGWFVEEC - DR3 protein
116 QSIGTQOWEHSPLGELCPPGSHRS - - - - - ERPGACNRC T DR4 protein

87 EGKEYTDKAHFSSKCRRCRLCDEGHGLEVEINCTRTONTK h Fas protein
137 SENLFQC - - - - - FNC SLCLN - GTVH - - - - - LSCQEKONTV h TNFR I Protein
126 - - QVSQC VSSSPFYCQPCLD CGALHR - HTRL LCSRRTDC DR3 protein
150 EGVG YTNASNNLFACLPCTACKSDE - - - - - EERSPCTTTRNTA DR4 protein

127 CRCKPNFFCNS TVCEHC DPCTK - CEHGIIR - - - - - ECTLTSTNT h Fas protein
166 CTCHAGFFLRE - - - - - NECVSCSN - CKKSLECTKLCLPQIEN h TNFR I Protein
163 GTCCLPGFYEHG - - - - - DGCVSCPT - STLG - SCPERCAAVCGW DR3 protein
188 CQCKPGTFRNDNSAE MCRK CSTGC PRGMVKVNDCTPWSDI DR4 protein

164 KC - KEEGSRSN LGWLCL - - - - - LLLPIPLIV - - - - - h Fas protein
202 VKGTEDSGTTV LLPLVIFFGLCLLSLFLIGLM - - - - - h TNFR I Protein
198 RO - - - - - MFWVQVLLAGLVVPLLLGATLT - - - - - DR3 protein
228 ECVHKESGNGHNI WVILVVTLVVPLLLVAVLIVC CCIGSG DR4 protein

189 - - - - - W - - - - - h Fas protein
234 - - - - - YRYQR - - - - - WSKLYSIVCGKSTPEKEGELEGT TTK h TNFR I Protein
222 - - - - - YTYRHC - WPHKPL - VTADAEAGMEALTPPPATHLS DR3 protein
268 CGGDPKCMDRVCFWR LGLLRGPGAEDNAHNEILSNADSLS DR4 protein

190 - - VKRKEVQKT - - - - - C h Fas protein
266 PLAPNPSPSPTPGFTPTLGFSPVPSSTFTSSSTYTTPGD - C h TNFR I Protein
254 PLDSAH TLLAPPDSSSEKICTVQLVGN SWTPGYPETQEAALC DR3 protein
308 T FVSEQQMESQEPADLTGVTVO SPG - - - - - EAQC DR4 protein

200 - - - - - RKHRKFNQGSHE SPTLNPE TVAINLS - - - - - h Fas protein
305 PNFAAPRREVA PPYQGADPILATALASDP I PNPLQKWEDS h TNFR I Protein
294 PQVTWSDQL - - - - - PSRALGPAAAPTLS P - - - - - ESP DR3 protein
337 - - - - - ILLGPAFAEGSQRRRLLV PAN GADPTE - - - - - DR4 protein

226 - - - - - DV DLSKYITTIAGVMTLS QVKGFVRKNGVNEA h Fas protein
345 AHK PQSLD TDDPATLYAVVENVPPL - RWKEFVRR LGLSDH h TNFR I Protein
322 AGSPA MMLQPGPQ - LYDVMDAUPAR - RWKEFVRT LGLREA DR3 protein
363 - - - - - TLM L - - - - - FFDK FANIVPFD SWDQLMPQLDLTKN DR4 protein

258 KIDEIKNDNVQDTAEQKVQLLRNWHQLH GKKEA - YDTL I K h Fas protein
384 EIDRL ELQNGRCL REAQYSMLATWRRRTPRREATLELLGR h TNFR I Protein
360 EIEAVEVEI GR - FRDQOYEMLRWROQQP - - - - - AGLGAVYA DR3 protein
393 ETDVVRA GTA - GP GDALYAMLK WVNKTGRNAS - IHTLLD DR4 protein

297 DLKKANLCTLA EK IOTIILKDI TS DSEN SNFRNEIQSLV h Fas protein
424 VLRDM D LLGCL EDIEEA I - - - - - CGPAA LP PAPSLLR h TNFR I Protein
396 ALERMGLD GCV EDL - - - - - RSR LQ RGP DR3 protein
431 ALERM EERHAK EKIODL LVDSGKF IYLEDGTGSAV SLE DR4 protein

FIG. 2B

1 M - - - - - L G - - - - - I W T - h Fas protein
1 M G L S T V D L L L P L V L L E L L V G I Y P S G V I G L V P H - - - - - h TNFR I Protein
1 M E Q R P H I C A A V A A A L L L V L L G A R A Q G - - - - - DR3 protein
1 M A P P P A H V H L G A F L A V T P N P G S A A S G T E A A A A T P S K V W G S DR4 protein

7 - - - - - L L P L V L T - - - S V - - - - - A R L - S S K S V N h Fas protein
34 - L G D R R K R D S V C P Q G K Y I H P O N N S I C C T K C H K G T Y L Y N D C h TNFR I Protein
27 - - G T P H I R - C D C A - G D F - H K K I G L F C C R G C P A G H Y L K A P C DR3 protein
41 S A G R I R R G G G R G A L P T S M G O H G P S - - - - - A R A R A G R A P G DR4 protein

25 A Q V T D I N R K G L E L R K T V T T V E T O N I E G - - - - - I H H h Fas protein
73 P G P G Q H T D R E C E S G S F T A S E N H L R - H C L S C S K C R K E M G Q h TNFR I Protein
62 T E P C G H T L V C P Q D T F L A W E N H H N S E C A R C Q A C D E Q A S O DR3 protein
76 P R P A R H A P R L R V H K T F K F V V V G V L L Q V V P S S A A T I K L H D DR4 protein

55 D G - - - - - C H K P - - - - - C P P G E R K A R D C T V N G D E P D C V P C Q h Fas protein
112 V E I S S - - - - - C T V D R D T V C G C - - - - - R K N Q Y R H Y W h TNFR I Protein
102 V A L E N - - - - - C S A V A D T R C G C - - - - - K P G W F V E C - DR3 protein
116 Q S I G T U W E H S P L G E L C P P G S H R S - - - - - E R P G A C N R C T DR4 protein

87 E G K E Y H K A H F S S K C R R C R L C D E G H G L E V E I N C T R T O N T K h Fas protein
137 S E N L F U - - - - - F N C S L C L N - G T V H - - - - - L S C Q E K O N T V h TNFR I Protein
126 - - Q V S H V S S P F Y C Q P C L D C G A L H R - H T R L L C S R R D T D C DR3 protein
150 E G V G Y H A S N N L F A C L P C T A C K S D E - - - - - E E R S P C T T T R N T A DR4 protein

127 C R C K P H P C N S T V C E H C D P C T K - C E H G I I K - - E C T L T S N T h Fas protein
166 C T C H A H P L R E - - - - - N E C V S C S N - C K K S L E C T K L C L P Q I E N h TNFR I Protein
163 G T C L P H P Y E H G - - - - - D G C V S C P T - S T L G - S C P E R C A A V C G W DR3 protein
188 C Q C K P H P R N D N S A E M C R K C S T G C P R G M V K V K D C T P W S D I DR4 protein

164 K C - K E H S R S N L G W L C L - - - - - L L L P I P L I V - - - - - h Fas protein
202 V K G T E H H T T V L L P L V I F F G L C L L S L L F I G L M - - - - - h TNFR I Protein
198 R O - - - - - M F W V Q V L L A G L V V P L L L G A T L T - - - - - DR3 protein
228 E C V H K H H N G H N I W V I L V V T L V V P L L L V A V L I V C C C I G S G DR4 protein

189 - - - - - W - - - - - h Fas protein
234 - - - - - Y R Y Q R - - W K S K L Y S I V C G K S T P E K E G E L E G T T T K h TNFR I Protein
222 - - - - - Y T Y R H C - W P H K P L - V T A D E A G M E A L T P P P A T H L S DR3 protein
268 C G G D P H M D R V C F W R L G L L R G P G A E D N A H N E I L S N A D S L S DR4 protein

190 - - V K R H K V Q K T - - - - - h Fas protein
266 P L A P N H P S P T P G F T P T L G F S P V P S S T F T S S S T Y T P G D - C h TNFR I Protein
254 P L D S A H T L L A P P D S S E K I C T V Q L V G N S W T P G Y P E T Q E A L C DR3 protein
308 T F V S E Q U M E S Q E P A D L T G V T V O S P G - - - - - E A Q C DR4 protein

200 - - - - - R K H R K E N Q G S H E S P T L N P E T V A I N L S - - - - - h Fas protein
305 P N F A A P H R E V A P P Y Q G A D P I L A T A L A S D P I P N P L Q K W E D S h TNFR I Protein
294 P Q V T W H W D Q L - - P S R A L G P A A A P T L S P - - - - - E S P DR3 protein
337 - - - - - L L G P A E A E G S Q R R R L L V P A N G A D P T E - - - - - DR4 protein

226 - - - - - D V D L S K Y I T T I A G V M T L S Q V K G F V R K N G V N E A h Fas protein
345 A H K P Q H D T D D P A T L Y A V V E N V P P L - R W K E F V R R L G L S D H h TNFR I Protein
322 A G S P A H N L Q P G P Q - L Y D V M D A V P A R - R W K E F V R T L G L R E A DR3 protein
363 - - - - - T L M L - - F F D K F A N I V P F D S W D Q L M R Q L D L T K N DR4 protein

258 K I D E I H N D N V Q D T A E Q K V Q L L R N W H Q L H G K K E A - Y D T L I K h Fas protein
384 E I D R L H L Q N G R C L R E A Q Y S M L A T W R R R T P R R E A T L E L L G R h TNFR I Protein
360 E I E A V K V E I G R - F R D Q O Y E M L K R W R O Q Q P - - - - - A G L G A V Y A DR3 protein
393 E T D V H A G T A - G P G D A L Y A M L M K W V N K T G R N A S - I H T L L D DR4 protein

297 D L K K A N H C T L A E K I O T I I L K D I T S D S E N S N F R N E I Q S L V h Fas protein
424 V L R D M H L G C L E D I E E A L - - - - - C G P A A L P P A P S L L R h TNFR I Protein
396 A L E R M H L D G C V E D L - - - - - - R S R L Q R G P DR3 protein
431 A L E R M H E R H A K E K I O D L L V D S G K F I Y L E D G T G S A V S L E DR4 protein

Figure 3

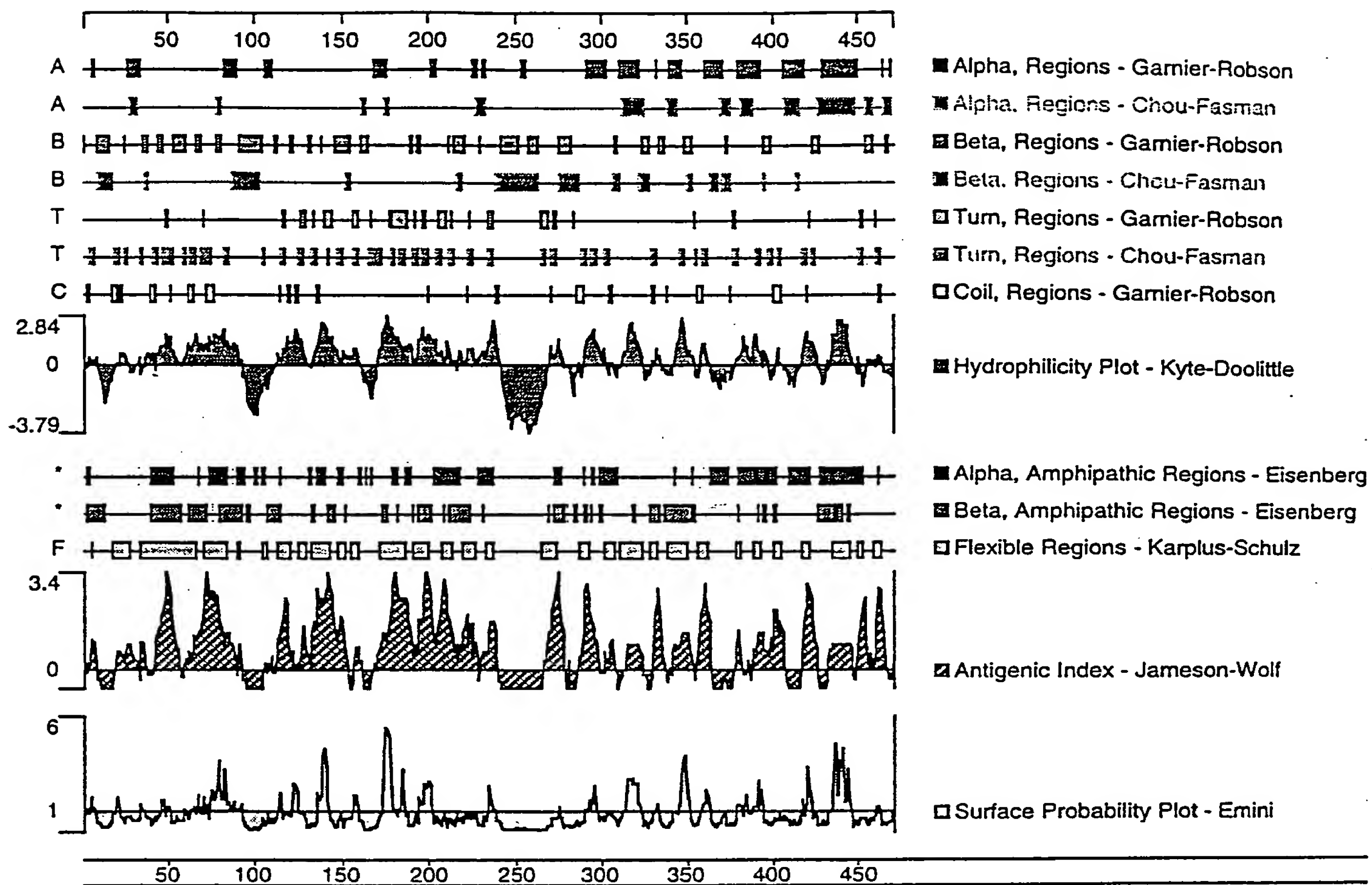


FIG. 4A

HTOIY07R

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1  GGCANAGGTN CGTACCTAGC TCACCTGCAA CCATCAAAC T NATGATCAA
51 TCAATTGGCA CACAGCAATG GGAAACATAG CCCTTTGGAA GANTTGTNTC
101 CACCAGGATC TCATAGATCA AAACATCCTG GGAGCCTGTT AACCGGTGCC
151 CCAAAGGNTG GTCAAGGTCA AGGAATTGTT NCGCCCTGGA AGTGAACATC
201 GAGTGTNTCC ACAAAGGATT CAGGCAATGG GACATAAATA TATGGGTGAA
251 TTTTGGTTGT GAACTTTGGT TGNTCCCGTT GNTGTTGNTG GCTGTGCTGA
301 TTGTTTGTG TTGCATCGGC TTCAGGTTNT GGAGGGGGAC CCAAGTGCAT
351 GGACAGGGTG TGTTTCTGGG GTTTGGGTCT CTTAGAGGGC NTGGGT TANG
401 GCANGTTCAC AAGGGTTTTA GCAANG

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FIG. 4B

HTXEY80R

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1  TGGGGCTGAG GACAATGCTG ACNACGAGAT TCTGAGCAAC GCAGNACTNG
51 CTGTCCACTT TCGTCTNTGN GCAGCAAATG GAAAGCCAGG AGCCGGCAGA
101 TTTGACAGGT GTCACGTGAC AGTCCCCAGG GGAGGCACAG TGTCTGCTGG
151 TGAGTTGGGG ACAGGCCCTT GCAAGACCTT GTGAGGCAGG GGGTGAAGGC
201 CATGNCTCGG CTTCNNNTGG TCAAAGGGGA AGTGGAGCCT GAGGGAGATG
251 GGACTTNAGG GGGACGGNGC TGCGTGGGGA AAAAGCAGCC ACCNTTTGAC
301 AAGGGGGACA GGCATTTTNN CAAATGTGTG CTTNTTGGT

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Figure 5A

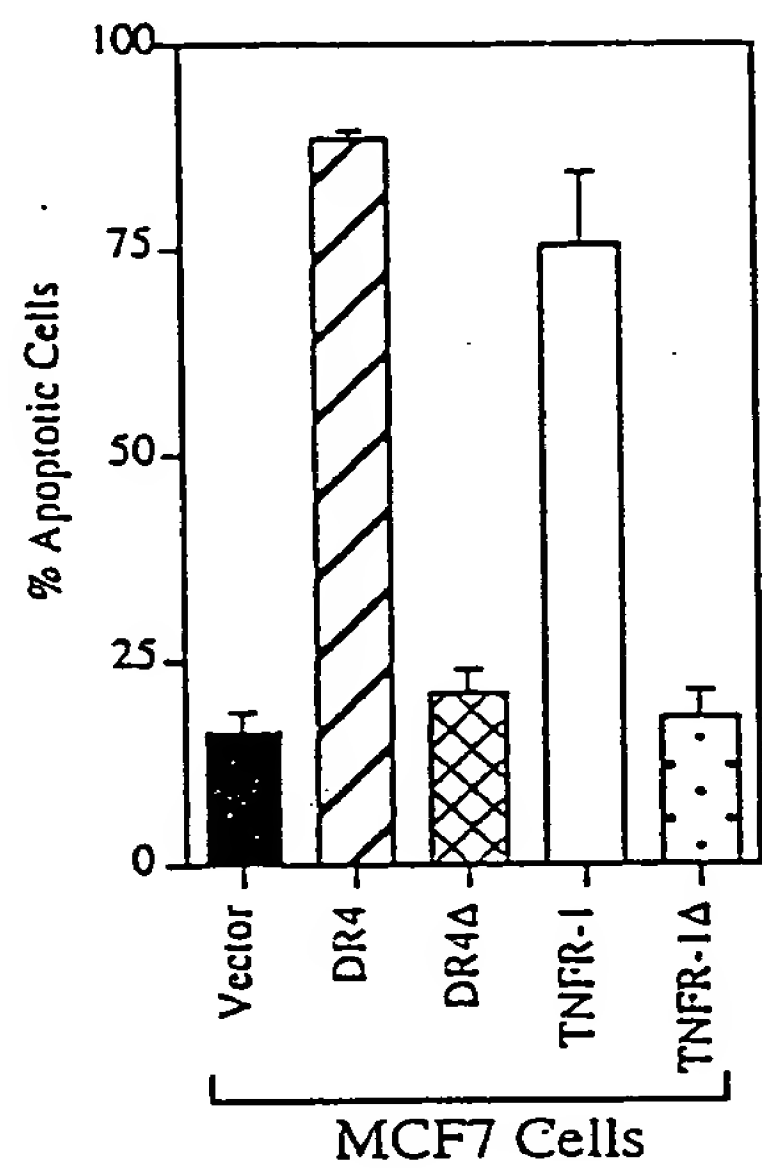


Figure 5B

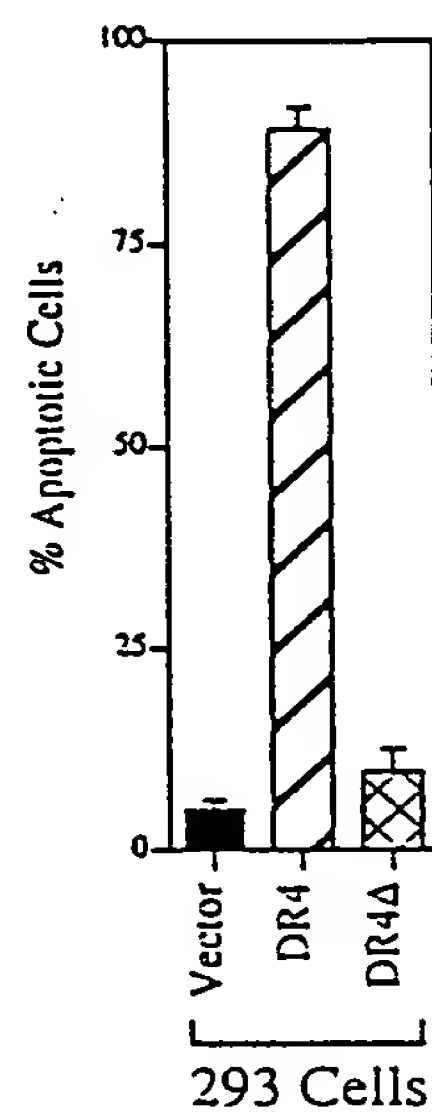


Figure 5C

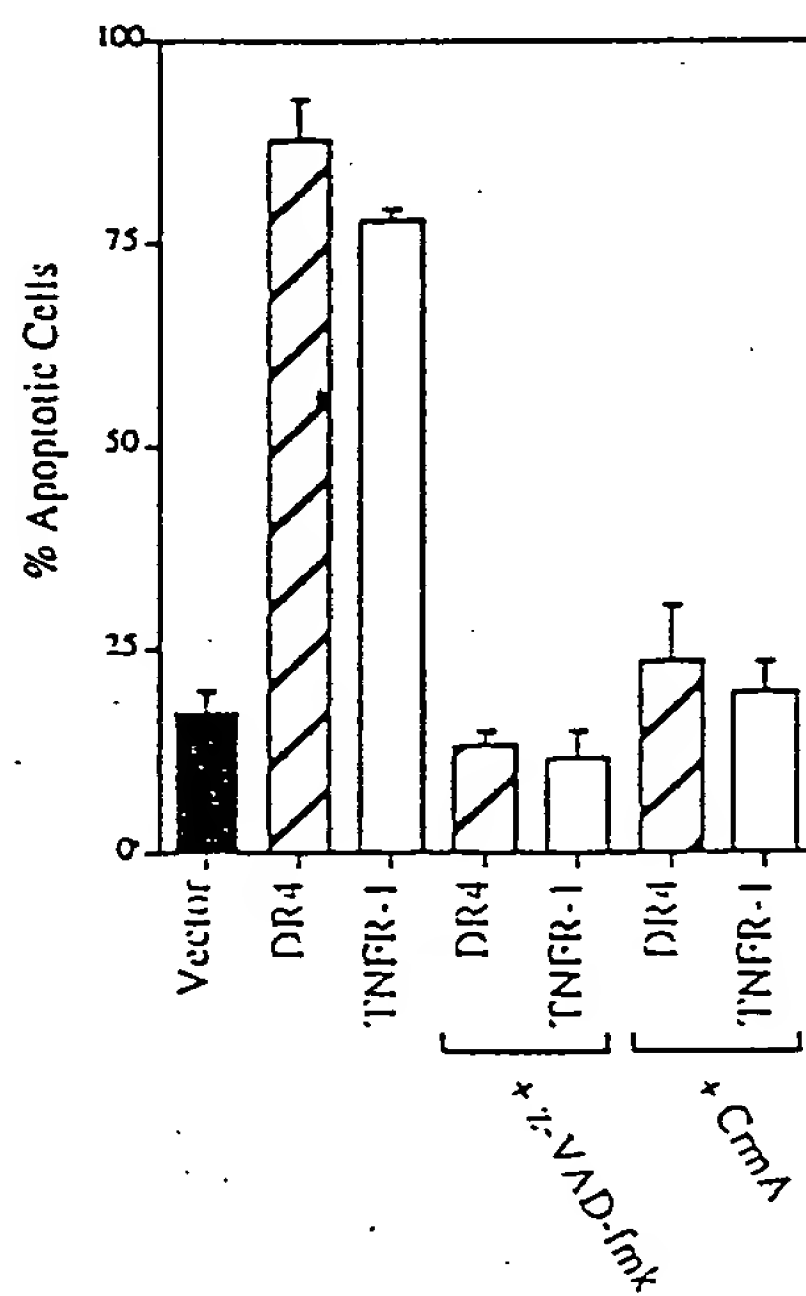


Figure 6A

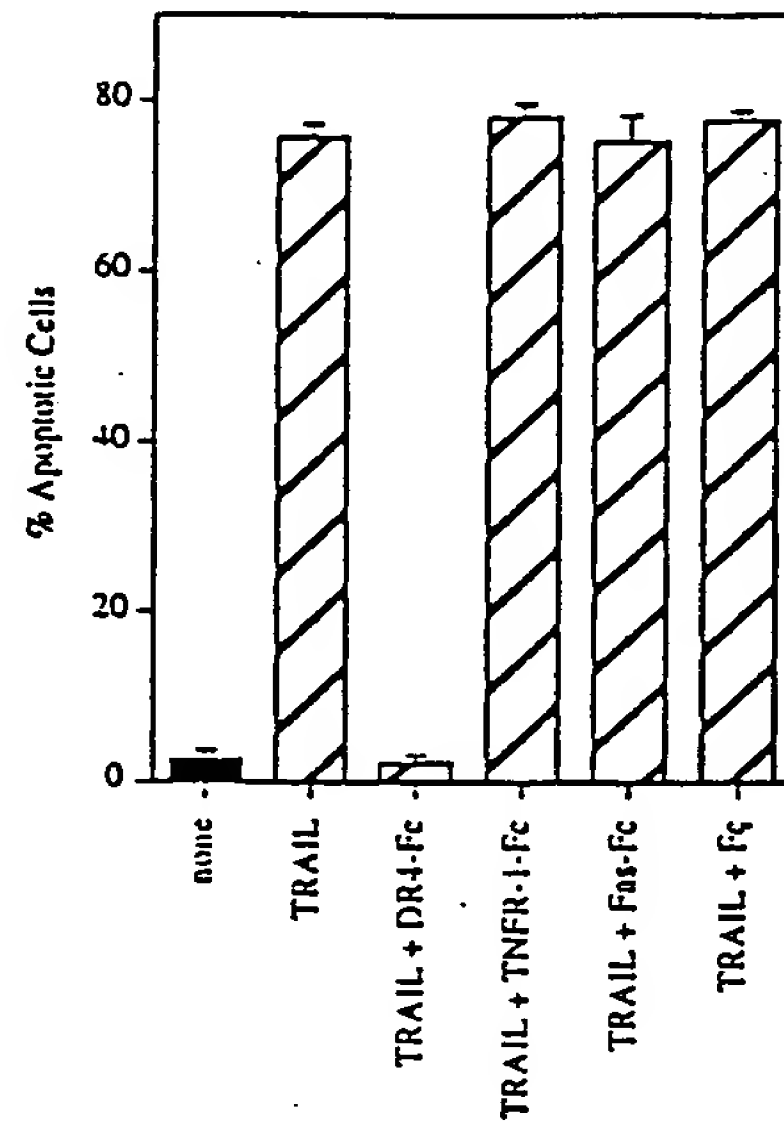


Figure 6B

